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Indian Standard
**DIMENSIONS FOR
SINGLE-HOLE MOUNTED LEVER-OPERATED
SWITCHES FOR AIRCRAFT**

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DIMENSIONS FOR SINGLE-HOLE MOUNTED LEVER-OPERATED SWITCHES FOR AIRCRAFT

Aircraft Electrical Equipment Sectional Committee, ETDC 55

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Indian Standard

DIMENSIONS FOR SINGLE-HOLE MOUNTED LEVER-OPERATED SWITCHES FOR AIRCRAFT

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 18 May 1979, after the draft finalized by the Aircraft Electrical Equipment Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 This standard is based on ISO 493-1975 Aircraft — Dimensions for single-hole mounting (class 1 and class 2) lever-operated manual switches, issued by the International Organization for Standardization.

0.3 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

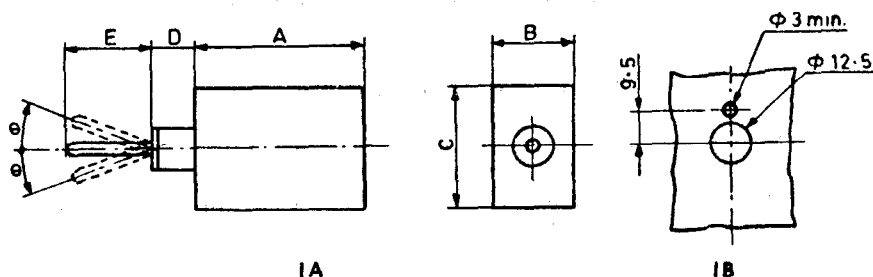
1.1 This standard specifies the overall dimensions for two classes of single hole mounting (class 1 and class 2) lever operated switches for use in 28 V dc and 115/200 V ac, 3-phase, 400 Hz systems in aircraft. Class 1 switches are sealed and are suitable for higher altitudes and temperature conditions. Class 2 switches are sealed only at the lever entry.

2. DIMENSIONAL REQUIREMENTS

2.1 The overall dimensions shall be in accordance with Fig. 1, which are suitable for accommodating either terminal screws or integral terminal on the face opposite the mounting bush.

*Rules for rounding off numerical values (revised).

2.2 The switches shall have at the centre of the front face of the case a 12-mm diameter male thread of 1 mm pitch for fixing to the mounting panel. The holes in the mounting panel for fixing the switch to the panel shall be as shown in Fig. 1(B). The smaller hole of diameter 3 mm together with a keyway washer which also locates in a keyway in the switch mounting bush, shall be used to prevent rotation of the switch and shall orientate the switch correctly.



DIMENSIONS		VALUE
<i>A</i>		48.3 Max
<i>B</i>	Single-pole	16.8 Max
	Double-pole	22.6 Max
	Three-pole	35.1 Max
	Four-pole	46.0 Max
<i>C</i>		34.3 Max
<i>D</i>		12.3 Max
<i>E*</i>		23.8 \pm 1.6
<i>O</i>		20° \pm 2°
*A lever length of 17.5 \pm 0.8 mm is acceptable but non-preferred.		

All dimensions in millimetres.

FIG. 1 DIMENSIONS FOR SINGLE-HOLE MOUNTING SWITCH